



Figure 1A

C57BL/6 (Wild Type)

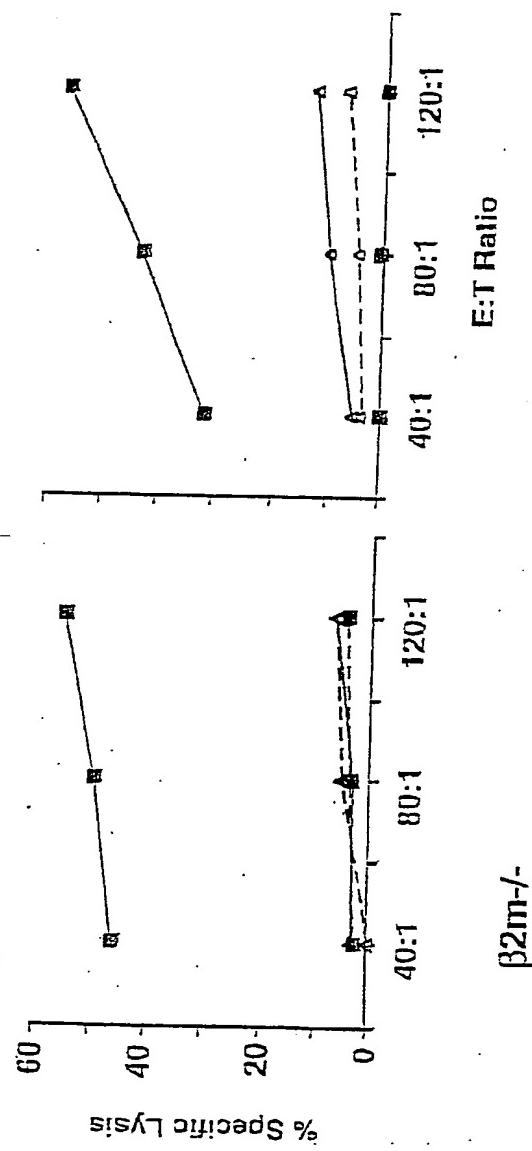


Figure 1B

CD4-/

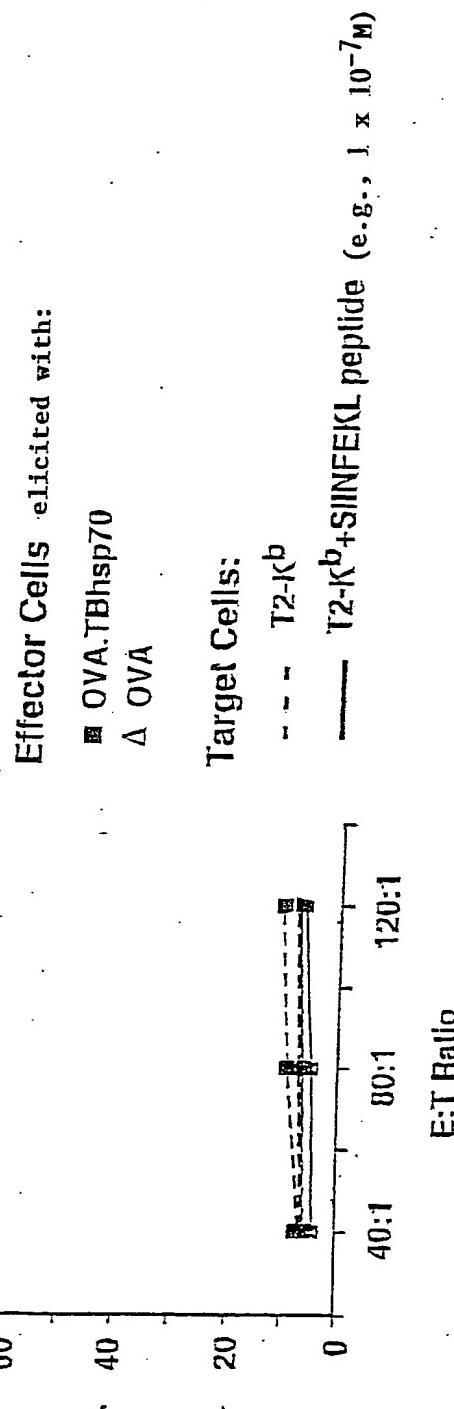
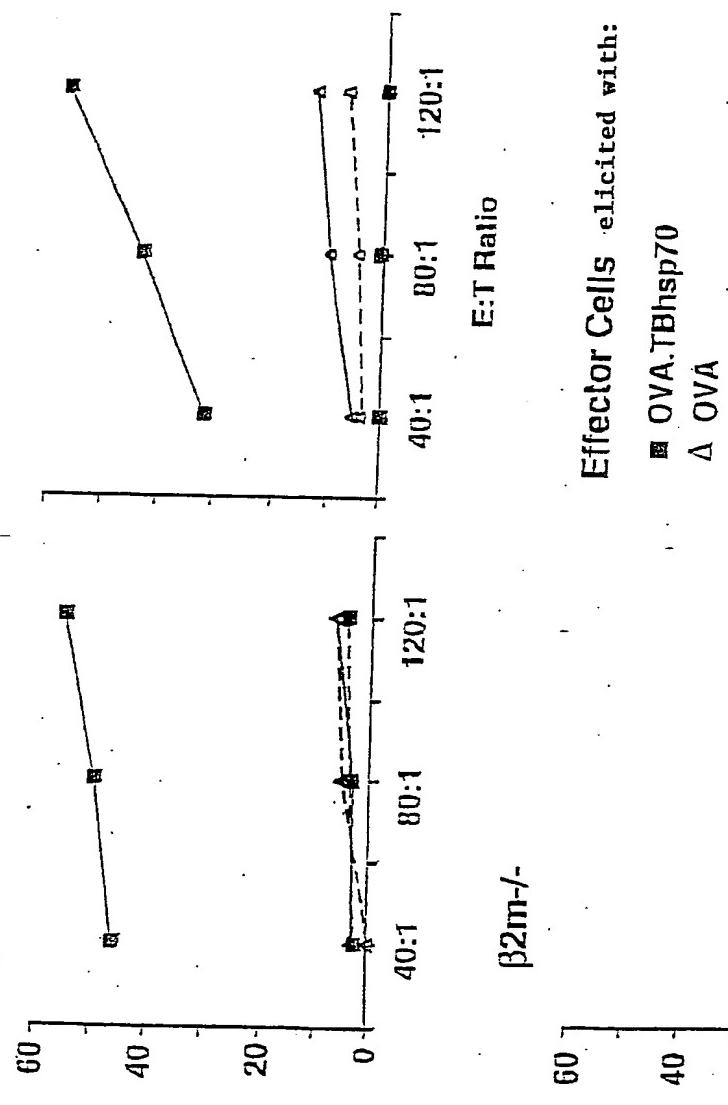


Figure 1C



App No.: 09/761,534
 Title: In Vivo CTL Elicitation by Heat Shock Protein..
 Inventors: Qian Huang, et al.

Figure 2A

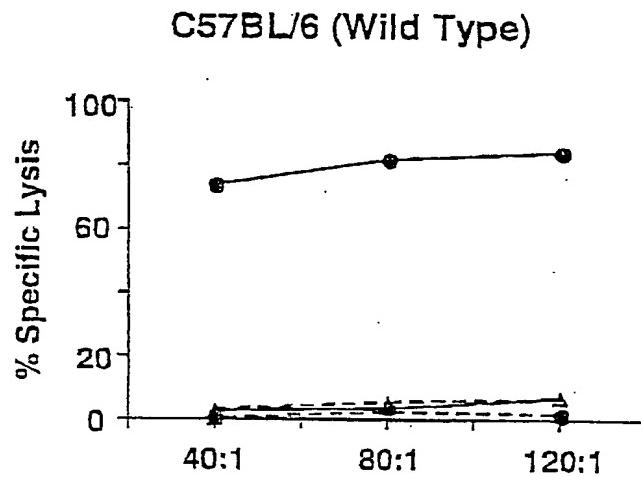
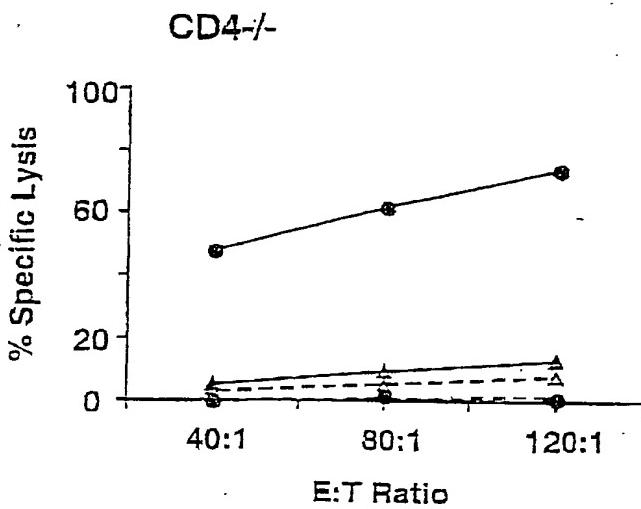


Figure 2B



Effectors Cells
 elicited with:
 ● OVA.mhsp70
 △ OVA

Target Cells:
 - - - T2-K^b
 — T2-K^b+SIINFEKL



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Hsp70 Domains

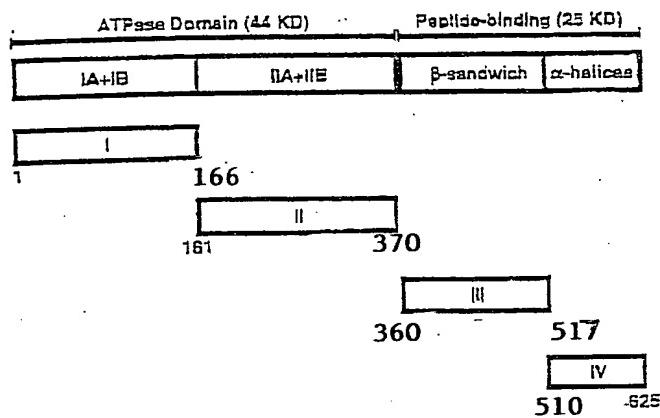
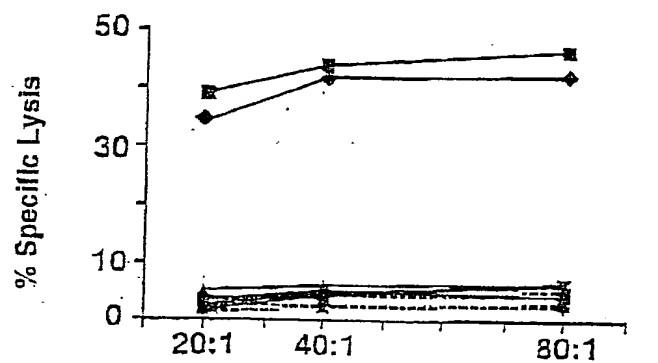


Figure 3



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C57BL/6



Effecter Cells elicited with:
■ OVA.TBhsp70
▽ OVA.TBhsp I
◆ OVA.TBhsp II
× OVA.TBhsp70 III
+ OVA.TBhsp70 IV
△ OVA

Target Cells:
— T2-K^b
— T2-K^b+SIINFEKL

Figure 4



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IKVSGLEQLESIYRYYGLLLKEAY
Ova ↑ αKG

Figure 5A

Hsp65 P1

Figure 5B

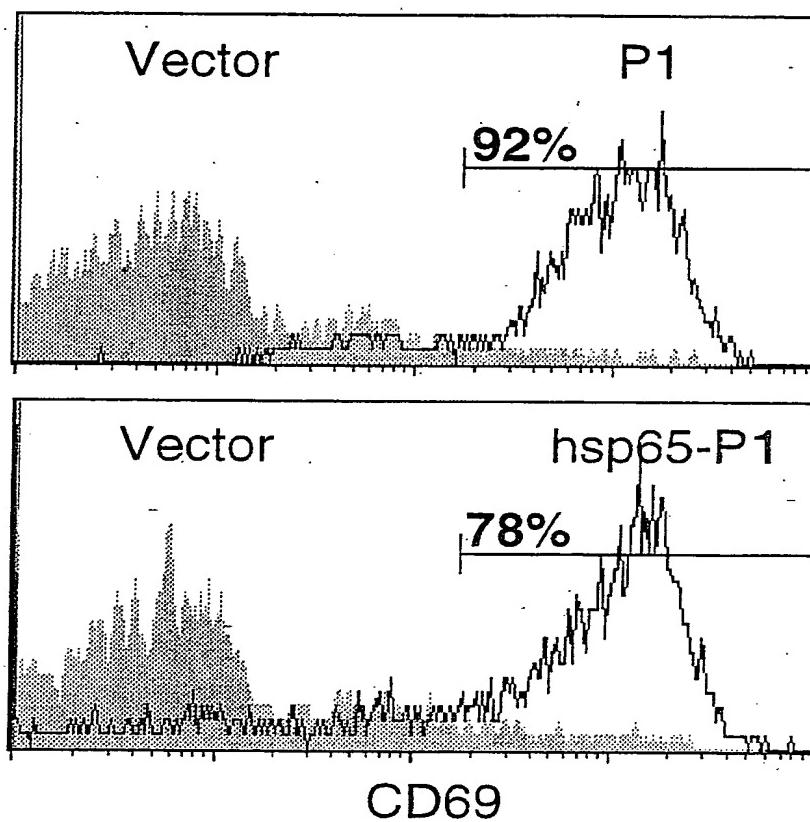
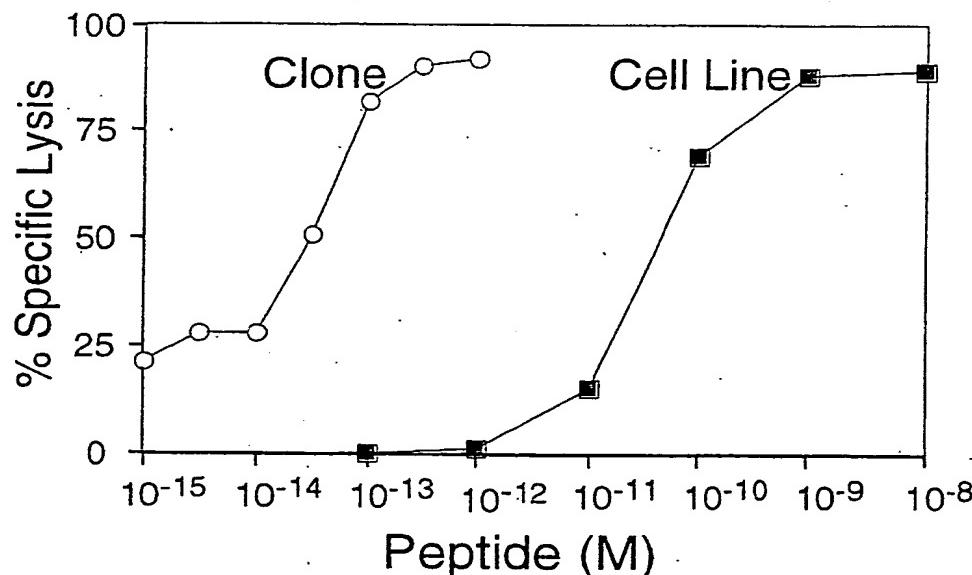


Figure 5C





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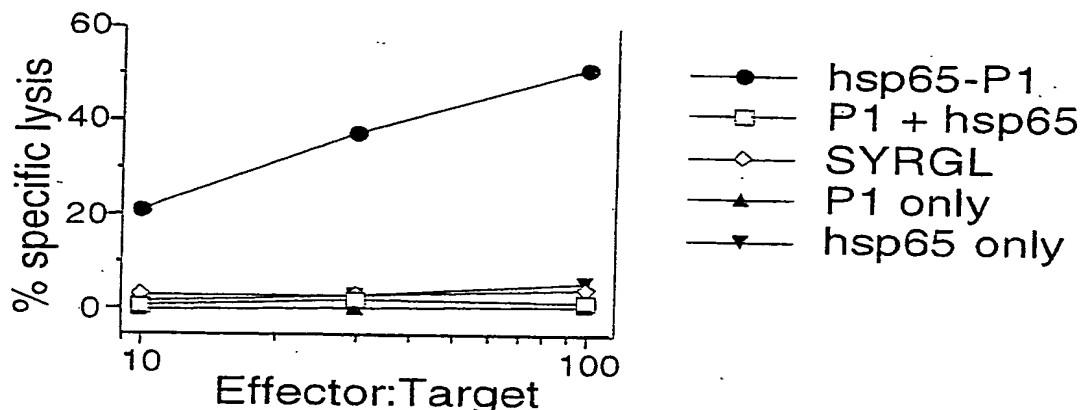


Figure 6A

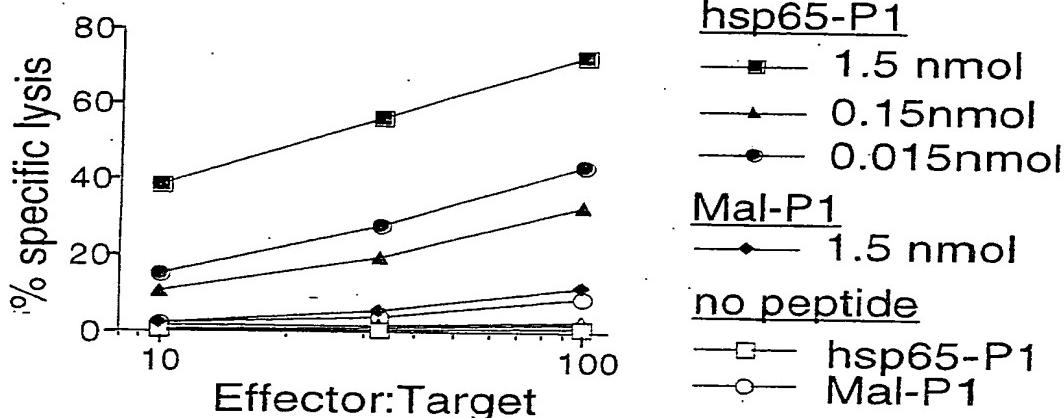


Figure 6B

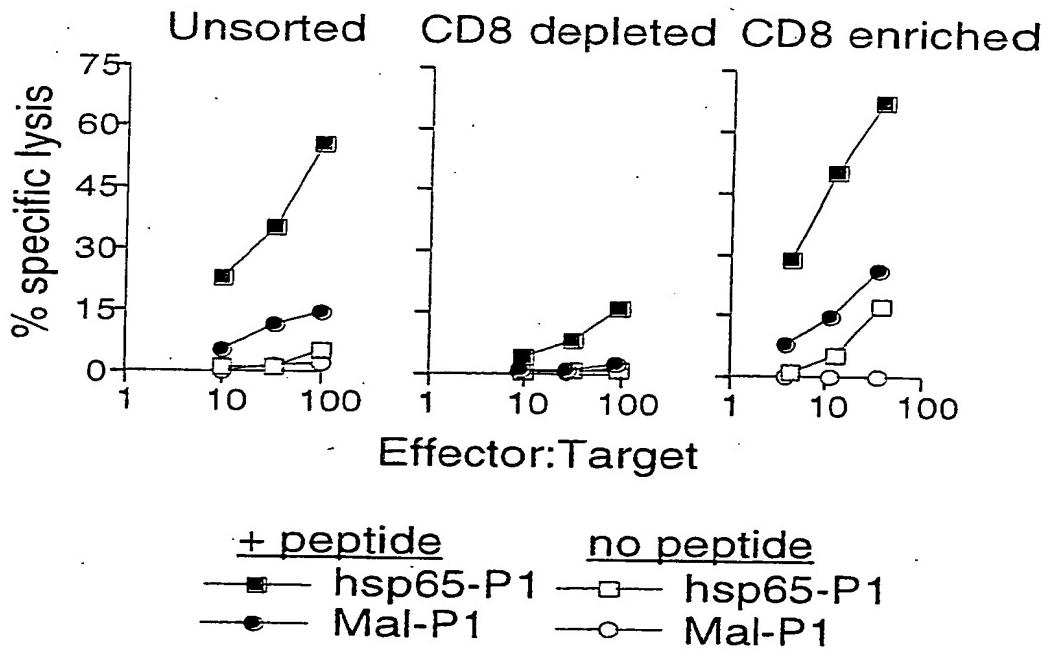


Figure 6C



App No.: 09/761,534
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Inventors: Qian Huang, et al.

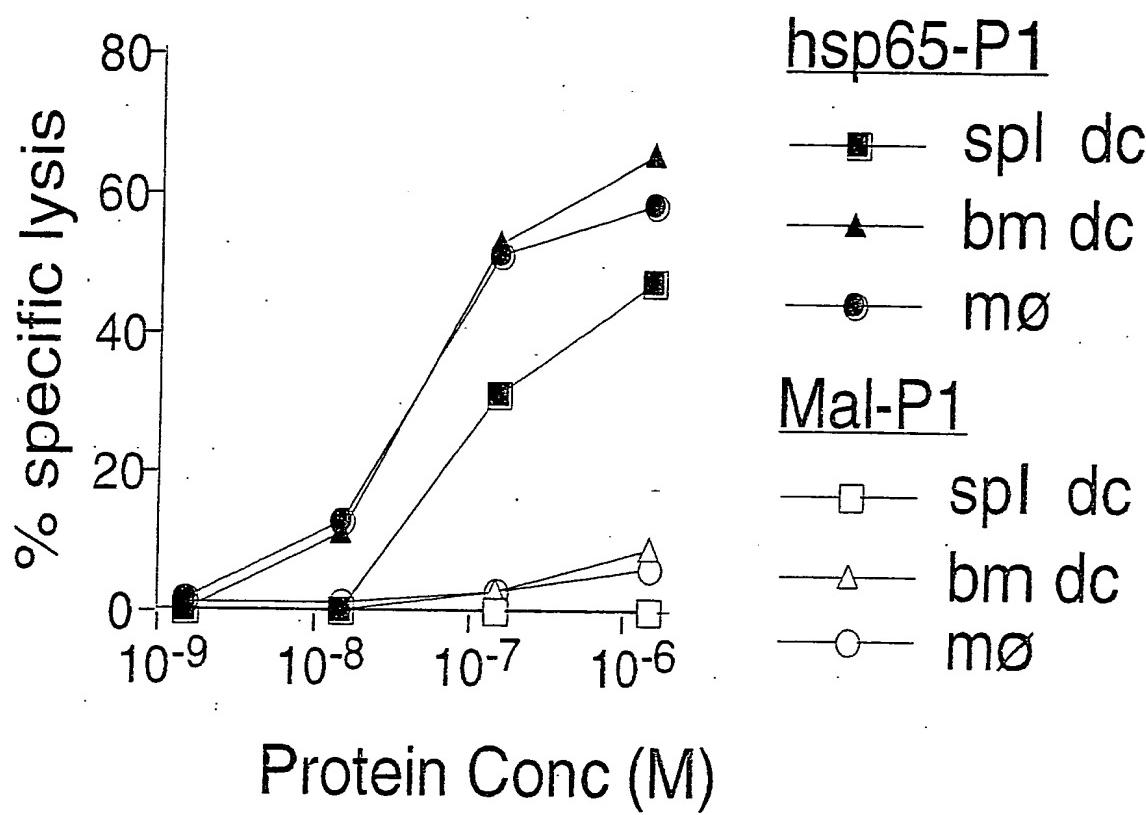


Figure 7



App No.: 09/761,534
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 Inventors: Qian Huang, et al.

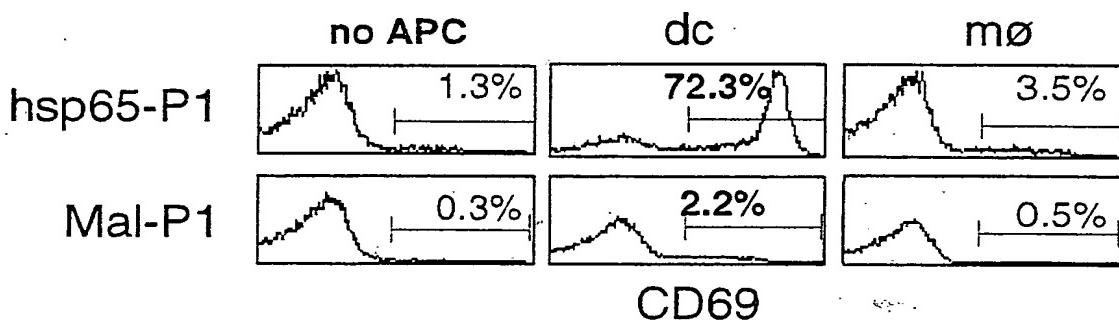


Figure 8A

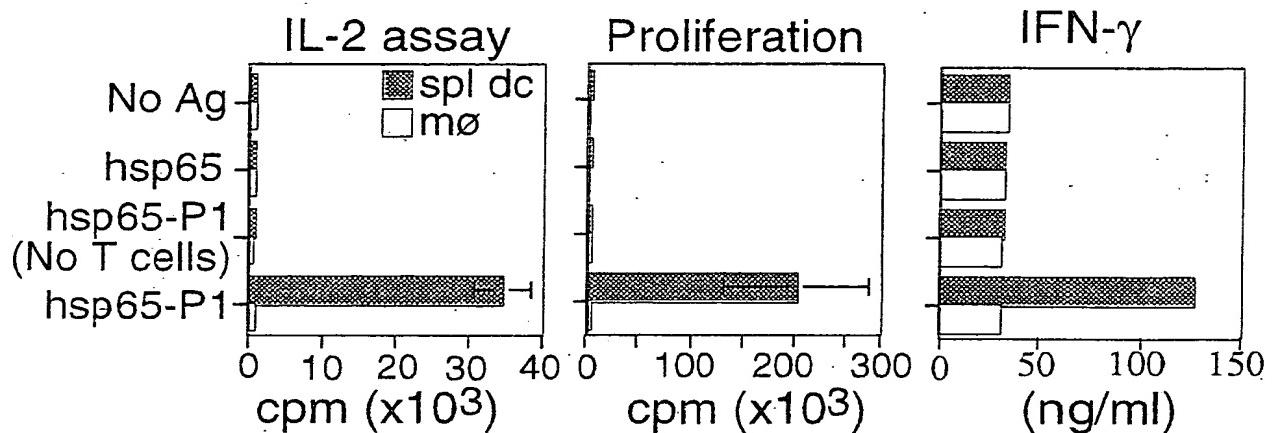


Figure 8B

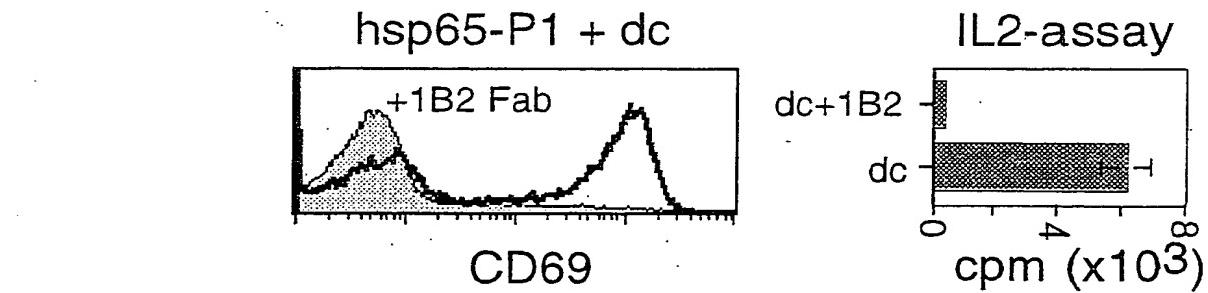


Figure 8C



App No.: 09/761,534
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Figure 9A

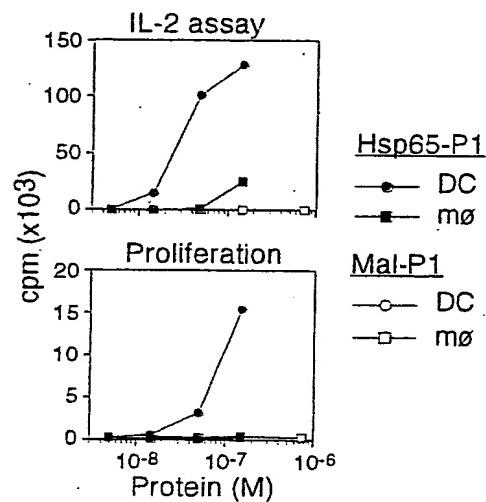


Figure 9B

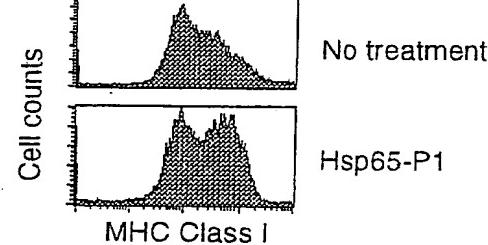
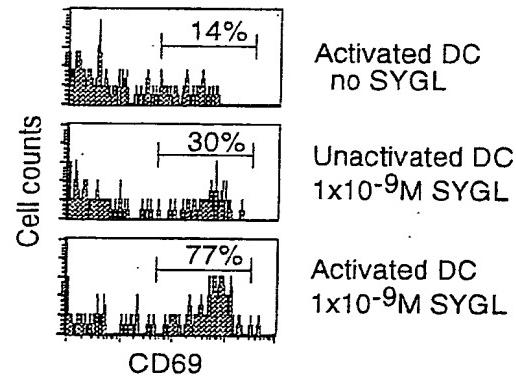


Figure 9C





App No.: 09/761,534
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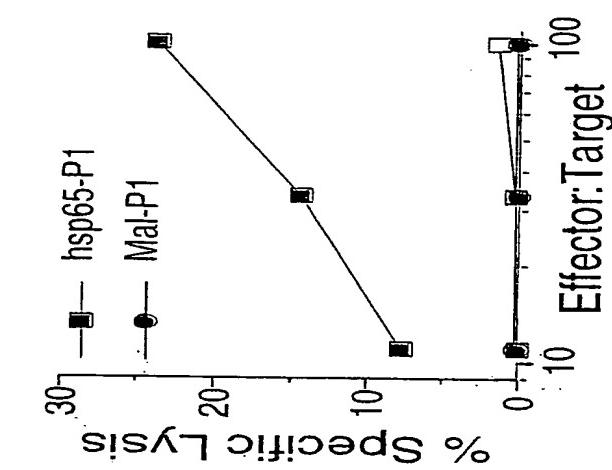


Figure 10C

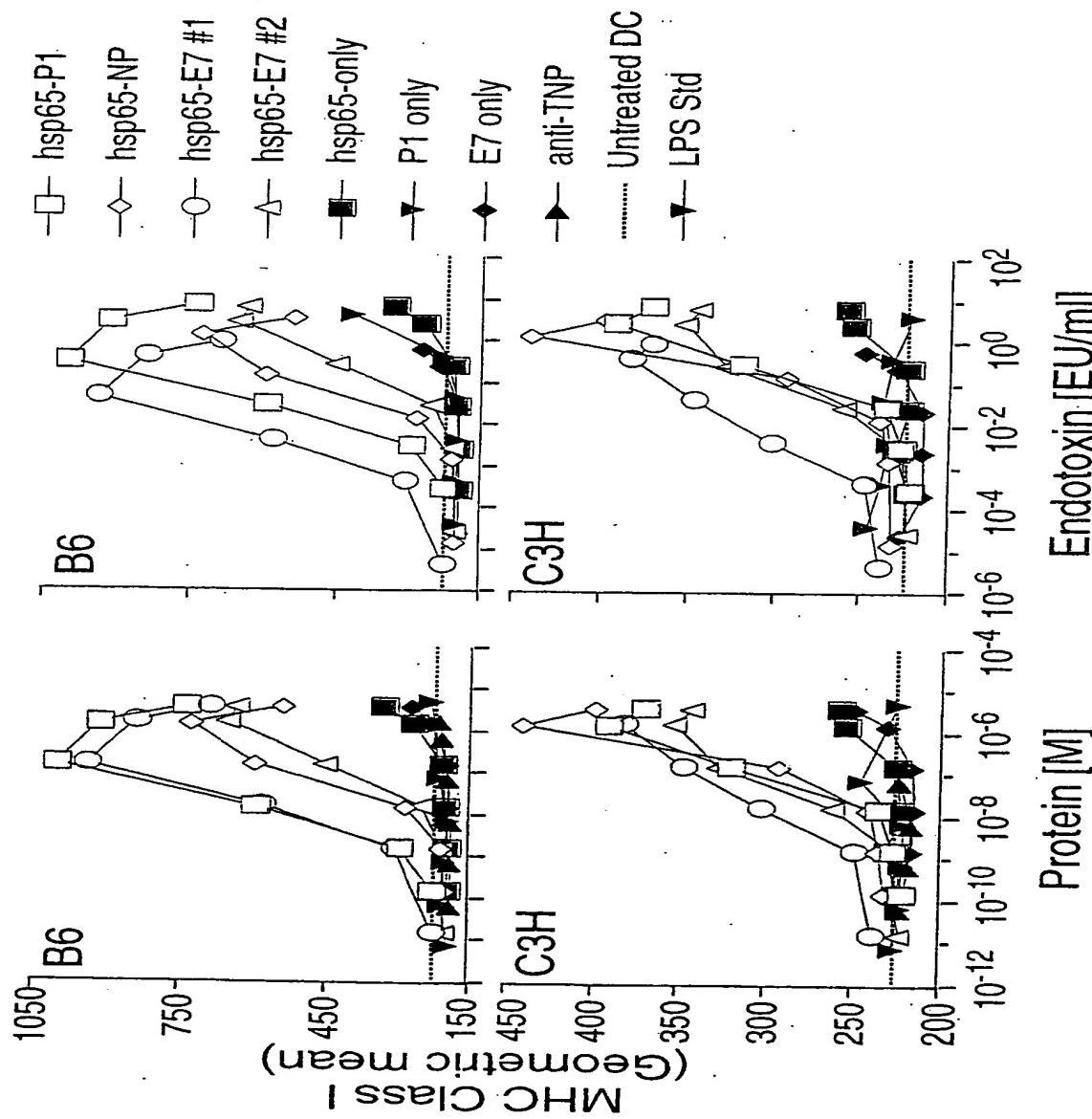


Figure 10A

Endotoxin [EU/ml]

Figure 10B



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Inventors: Qian Huang, et al.

ATG GCT CGT GCG GTC GGG ATC GAC CTC GGG ACC ACC AAC TCC GTC GTC TCG GTT CTG GAA
GGT GGC GAC CCG GTC GTC GTC GCC AAC TCC GAG GGC TCC AGG ACC ACC CCG TCA ATT GTC
GCG TTC GCC CGC AAC GGT GAG GTG CTG GTC GGC CAG CCC GCC AAG AAC CAG GCA GTG ACC
AAC GTC GAT CGC ACC GTG CGC TCG GTC AAG CGA CAC ATG GGC AGC GAC TGG TCC ATA GAG
ATT GAC GGC AAG AAA TAC ACC GCG CCG GAG ATC AGC GCC CGC ATT CTG ATG AAG CTG AAG
CGC GAC GCC GAG GCC TAC CTC GGT GAG GAC ATT ACC GAC GCG GTT ATC ACG ACG CCC GCC
TAC TTC AAT GAC GCC CAG CGT CAG GCC ACC AAG GAC GCC GGC CAG ATC GCC GGC CTC AAC
GTG CTG CGG ATC GTC AAC GAG CCG ACC GCG GCC GCG CTG GCC TAC GGC CTC GAC AAG GGC
GAG AAC GAG CAG CGA ATC CTG GTC TTG GGT GGC ACT TTC GAC GTC TCC CTG
CTG GAC ATC GGC GAG GGT GTG GTT GAG GTC CGT GCC ACT TCG GGT GAC AAC CAC CTC GGC
GGC GAG GAC TGG GAC CAG CGG GTC GTC GAT TGG CTG CTG GAC AAG TTC AAG GGC ACC ACC
GGC ATG GAT CTG ACC AAG GAC AAC ATG GCG ATG CAG CGG CTG GGG GAA GCC GGC GAG AAG
GCA AAG ATC GAT CTG AGC AAC GAC AAC ATG GCG ATG CAG CGG CTG GGG GAA GCC GGC GAG AAG
GCA AAG ATC GAG CTG AGT TCG AGT CAG TCC ACC TCG ATC AAC CTG CCC TAC ATC ACC GTC
GAC GCC GAC AAC CCG TTG TTC TTA GAC GAG CAG CTG ACC CGC GCG GAG TTC CAA CGG
ATC ACT CAG GAC CTG CTG GAC CGC ACT CGC AAG CCG TTC CAG TCG GTG ATC GCT GAC ACC
GGC ATT TCG GTG TCG GAG ATC GAT CAC GTC GAT GTC GTC GGT GGT TCG ACC CGG ATG CCC
GCG GTG ACC GAT CTG GTC AAG GAA CTC ACC GGC GGC AAG GAA CCC AAC AAG GGC GTC AAC
CCC GAT GAG GTT GTC GCG GTG GGA GCC GCT CTG CAG GCC GGC GTC CTC AAG GGC GAG GTG
AAA GAC GTT CTG CTG CTT GAT GTT ACC CGG CTG AGC CTG GGT ATC GAG ACC AAC CGG TCG GAG ACT TTC
ACC ACC GCC GAC AAC CAA CGG TCG GTG CAG ATC GTC TAT CAG GGG GAG CGT GAG

Figure 11

GAG AAG GAG CAG CGA ATC CTG GTC TTC GAC TTG GGT GGT GGC ACT TTC GAC GTT TCC CTG
CTG GAG ATC GGC GAG GGT GTG GTT GAG GTC CGT GCC ACT TCG GGT GAC AAC CAC CTC GGC
GGC GAC GAC TGG GAC CAG CGG GTC GTC GAT TGG CTG GTG GAC AAG TTC AAG GGC ACC ACC
GGC ATG GAT CTG ACC AAG GAC AAC ATG GCG ATG CAG CGG CTG CGG GAA GCC GGC GAG AAG
GCA AAG ATC GAG CTG AGT TCG AGT CAG TCC ACC TCG ATC AAC CTG CCC TAC ATC ACC GTC
GAC GCC GAC AAC CCG TTG TTC TTA GAC GAG CAG CTG ACC CGC GCG GAG TTC CAA CGG
ATC ACT CAG GAC CTG CTG GAC CGC ACT CGC AAG CCG TTC CAG TCG GTG ATC GCT GAC ACC
GGC ATT TCG GTG TCG GAG ATC GAT CAC GTC GAT GTC GTC GGT GGT TCG ACC CGG ATG CCC
GCG GTG ACC GAT CTG GTC AAG GAA CTC ACC GGC GGC AAG GAA CCC AAC AAG GGC GTC AAC
CCC GAT GAG GTT GTC GCG GTG GGA GCC GCT CTG CAG GCC GGC GTC CTC AAG GGC GAG GTG
AAA GAC GTT CTG CTG CTT GAT GTT ACC CGG CTG AGC CTG GGT ATC GAG ACC AAC CGG TCG GAG ACT TTC
ACC ACC GCC GAC AAC CAA CGG TCG GTG CAG ATC GTC TAT CAG GGG GAG CGT GAG

Figure 12



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ATG GGC AAG AAC ACG GCG ATC GGC ATC GAC CTG GGC ACC ACC TAC TCG TGC GTG GGC GTG
TTC CAG CAC GGC AAG GTG GAG ATC ATC GCC AAC GAC CAG GGC AAC CGC AC G ACC CCC AGC
TAC GTG GCC TTC ACC GAC ACC GAG CGC CTC ATC GGG GAC GCC AAG AAC CAG GTG GCG
CTG AAC CCG CAG AAC ACC GTG TTC GAC GCG AAG CGG CTG ATC GGC CGC AAG TTC GGC GAT
GCG GTG GTG CAG TCC GAC ATG AAG CAC TGG CCC TTC CAG GTG GTG AAC GAC GGC GAC AAG
CCC AAG GTG CAG GTG AAC TAC AAG GGC GAG AGC CGG TCG TTC CCG GAG GAG ATC TCG
TCC ATG GTG CTG ACG AAG ATG AAG GAG ATC GCT GAG GCG TAC CTG GGC CAC CCG GTG ACC
AAC GCG GTG ATC ACG GTG CCC GCC TAC TTC AAC GAC TCT CAG CGG CAG GCC ACC AAG GAC
GCG GGC GTG ATC GCC GGT CTA AAC GTG CTG CGG ATC ATC AAC GAG CCC ACG GCG GCC GCC
ATC GCC TAC GGG CTG GAC CGG ACC GGC AAG GGC GAG CGC AAC GTG CTC ATG TTC GAG CTG
GGG GGC GGC ACG TTC GAC GTG TCC ATC CTG ACG ATC GAC GAC GGC ATC TTC GAG GTG AAG
GCC ACG GCG GGC GAC ACG CAC CTG GGA GGG GAG GAC TTC GAC AAC CGC CTG GTG AGC CAC
TTC GTG GAG GAG TTC AAG AGG AAG CAC AAG AAG GAC ATC AGC CAG AAC AAG CGC GGC GTG
CGG CGG CTG CGC ACG GGG TGT GAG AGG GGC AAG AGG ACG CTG TCG TCC AGC ACC CAG GGC
AGC CTG GAG ATC GAC TCT CTG TTC GAG GGC ATC GAC TTC TAC ACA TCC ATC ACG CGG CGG
GGG TTC GAA GAG CTG TGC TCG GAC TTC CGC GGG ACG CTG GAG CCC GTG GAG AAC GCG
CTG CGC GAC GGC AAG ATG GAC AAG GGC CAG ATC CAC GAC CTG GTG CTG GTG GGC GGG TGG
ACG CGC ATC CCC AAG GTG CAC AAC CTG CTG CAG GAC TTC TTC AAC AGC CGC GAC CTG AAC
AAG AGC ATC AAG CGG GAC GAG GCG GTG CGC TAC GGG GCG CGC GTG CAG CGC CGC CGC ATG CTG
ATG GGG GAC AAC TCG GAG AAC GTG CAG GAC CTG CTG CTG GAC GTG GEG CGC CCC CTG TCG
CTG GGC CTG GAG ACT GCG GGC GGC GTG ATG ACG GCG CTC ATC AAG CGC AAC TCC ACC ATC
CCC ACC AAG CAG ACG CAG ACC TTC ACC ACC TAC TCG GAC AAC CGC CCC GGG GTG CTG ATC

Figure 13A

Figure 13B

GGG	GGC	GGC	ACG	TTC	GAC	GTG	TCC	ATC	CTG	AAG	GGC	GAG	CGC	AAC	GTG	CTC	ATC	TTC	GAC	CTG
GCC	ACG	GCG	GGC	GAC	ACG	CAC	CTG	GGA	GGG	GAG	GAC	TTC	GAC	AAC	CGG	CTG	GTG	AGC	CAC	
TTC	GTG	GAG	GAG	TTC	AAG	AGG	AAG	CAC	AAG	AAG	GAC	ATC	AGC	CAG	AAC	AAG	CGC	GCG	GTG	
CGG	CGG	CTG	CGC	ACG	GCG	TGT	GAG	AGG	GCC	AAG	AGG	ACG	CTG	TCG	TCC	AGC	ACC	CAG	GCC	
AGC	CTG	GAG	ATC	GAC	TCT	CTG	TTC	GAG	GGC	ATC	GAC	TTC	TAC	ACA	TCC	ATC	ACG	CGG	GCG	
CGG	TTC	GAA	GAG	CTG	TGC	TCG	GAC	CTG	TTC	CGC	GGG	ACG	CTG	GAG	CCC	GTG	GAG	AAG	GCG	
CTG	CGC	GAC	GCC	AAG	ATG	GAC	AAG	GCC	CAG	ATC	CAC	GAC	CTG	GTG	CTG	GTG	GGC	GGC	TCG	
ACG	CGC	ATC	CCC	AAG	GTG	CAG	AAG	CTG	CTG	CAG	GAC	TTC	TTC	AAC	GGG	CGC	GAC	CTG	AAC	
AAG	AGC	ATC	AAC	CCG	GAC	GAG	GCG	GTG	GCC	TAC	GGG	GCG	GCG	GTG	CAG	GCG	GCC	ATC	CTG	
ATG	GGG	GAC	AAG	TCG	GAG	AAC	GTG	CAG	GAC	CTG	CTG	CTG	CTG	GAC	GTG	GCG	CCC			

Figure 14